

PROGRESS REPORT
OF
FOREST ADMINISTRATION
IN, THE



Jodhpur State Rajputana.

FOR THE YEAR 1907-08.

BY

PANCHOLI LACHMAN DAS,

Superintendent of Forest Department.

JODHPUR:

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REVIEW ON FOREST REPORT.

1

ONSTITUTION

reserves, the JASTHAN UNIVERSITY 1.8 miles, 30 miles of which are unclassified or Public Forest land. The rest are protected forests. The old Kutchha pillars were kept in good order and the erection of new masonry pillars was deferred for want of labour.

1

1

1

MANAGEMENT.—The working plans were put in force in 5 forests against 3 of last year, and for the remaining forests the usual plan of operations was prepared and acted up to. Secondary roads to facilitate the collection of fuel from coupes were constructed in 5 forests.

2

2

2 & 3

PROTECTION OF FORESTS.—There was a satisfactory decrease in the Forest offences and a likewise marked diminution in the number of cattle impounded for illicit grazing due to abundant pasturage being available outside the forests. There were a few petty cases of incendiarism affecting 290 acres.

3

3 to 5

5 & 6

SYLVICULTURE.—The year being one of copious rains the germination of various species was excellent.

6 & 7

7

EXPLOITATION.—The favourable agricultural conditions stimulated the demand for timber, the output of which was accordingly in excess of the previous year. The want of labour and cartage are mainly responsible for the supply of fuel having considerably fallen short of either the demand or the previous year's outturn.

7

8

8 & 9

The departmental agency brought in 73.7 per cent of the total income.

9 & 10

FINANCIAL RESULTS.—Including the sale proceeds of Anwal-bark the department worked at a surplus of Rs. 13,065 against Rs. 12,973 the average of last 5 years. The revenue from both the major and minor produce which represents 79 and 17.5 per cent respectively of the total income shows a decrease of Rs. 17,070 as compared with that derived during the previous year. It is hoped that the financial position will improve next year.

11

12

13

14

15

Of the expenditure 77.23 per cent was incurred on extension, constitution, improvement, protection and exploitation, while 22.77 per cent constitute establishment charges.

16 to 19

GENERAL REMARKS.—The supervision of State gardens and of the arboricultural operations at Jodhpur is also entrusted to the Forest department. A working plan for the management of area under Anwal was also framed.

20 & 21

22 to 25

26

COMPLIMENTARY

27

28

JODHPUR,

R. B. P. SUKHEDEO PRASHAD, B.A., C.I.E.,

Senior Member, Malkha Khas,

Raj Marwar.

and February 1909.

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PROGRESS REPORT

OR

FOREST ADMINISTRATION

IN THE

MARWAR STATE

For 1907-08

INTRODUCTION.

(1) A Working Plan was framed for the management of the areas under Anwal (*Cassia auriculata*), and will be regularly adhered to as soon as the old contracts will terminate. Excepting Jalor and Jaswantpura parganas, the Anwal area lies below the Arawali hills from Nana in the South-West to Bar in the North-East, the plant becoming sparse as we proceed eastward. It is divided into three compartments, only one compartment of which is eligible for exploitation in a year. Desuri compartment is at present being cut over, after which Bali will be taken in hand.

CHAPTER I.

CONSTITUTION OF FORESTS

Section I.—Alternation in areas.

(2) There were no changes under this head and the areas stood as under:—

(1) Forest conservancy	...	...	275.11	Square miles.
(2) Fuel and Fodder reserves	...	...	20.00	do.
(3) Jagir Forests	...	...	70.37	do.
Total			365.48	do.

The areas stand classed as under:—

Reserve Forests	...	...	Nil.	
Protected Forests	...	...	335.48	Square miles.
Unclassed or public Forest lands	...	...	30.00	do.
Leased Forests	...	...	Nil.	
Total			365.48	do.

Section II.—Forest Settlement.

—Nil.—

Section III.—Forest Demarcation.

(3) The replacement of katcha by masonry pillars could not be undertaken for want of labour. The katcha pillars were white-washed and kept in good order.

Section IV.—Survey.

—Nil—

CHAPTER II.

MANAGEMENT OF STATE FORESTS

Section I.—Regulation of Management.

(a) Preparation and Control of Working Plans.

(4) Working Plans were put into effect in the Nana, Behra, Bijapur, Sewari and Latara forests. The results of the working are noted below:—

Name of Forest	Compartment	ARLA IN ACRES.		Total outturn of fuel in maunds	Average outturn per acre	Total Expendi- ture		Average cost of Coppicing per acre.		Remarks
		to be felled	actually felled							
Nana ..	No 2	213	173	31,440	181	903	0	5	4	(1) Less felled for want of labour.
Behra ...	" 1	231	181	30,120	166	706	0	3	15	(2) Do do
Bijapur ...	" 2	235	205	32,840	160	989	0	4	13	(3) 30 acres con- tained only seedlings & saplings and so were left unmolested
Sewari ...	" 1	208	178	32,440	182	970	0	5	8	(4) Less felled for want of labour
Latara ...	" 1	108	80	17,400	217	501	0	6	4	5 Do do

(b) Preliminary Working Plans.

—Nil—

(c) Plan of Operations.

(5) A Plan of Operations was, as usual, prepared and acted up to

Section II.—Communications and Buildings.

(a) Roads and Bridges.

(6) Godhwar Range Secondary roads intended to facilitate the collection of fuel from the coupes were constructed in Nana, Behra, Bijapur, Sewari, and Latara forests, costing Rs- 102. The old roads were also repaired.

(7) Sojat Range The Saran-Borimadho, the Saran-Guda Dhamatan, and the Rad-Jhalra cart tracks were further extended and 2 bridle paths newly laid out, costing Rs- 108 ; petty repairs were also done to the other old roads.

(b) Buildings.

(5) Sojat Range A Timber-shed was constructed at Marwar Junction, costing Rs- 56. No other buildings were constructed, but necessary repairs were made in the old ones.

Godhwar Range. The old buildings were repaired at a cost of Rs 40.

(c) *Miscellaneous.*

—Nil.—

Section III.—Protection of Forests.

(a) *General Protection.*

(9) The criminal tribes living about the forests, as well as the Grassias, behaved well. 186 cases of Forest offences in State Forests and 22 in Raipur (Jagir Forests) came under observation during the year. Out of them 10 were chalaned to Hakumat, and the rest compounded departmentally. Convictions were obtained in 8 cases.

(10) The following table gives a classification of the offences:—

Class of offences.					Average for the past 3 years.	Offences during the year under report.	Remarks.
Injury by fire	...	...	...	...	5	10	* Includes 22 cases of Jagir forests.
Unauthorised felling or removal of produce	...	...	...	...	166	98	
Grazing	...	...	...	...	101	61	
Other offences	...	...	...	...	67	39	
Total					339	208*	

(b) *Protection from fire.*

(11) The measures taken for protection from fire were satisfactory. There were 10 occurrences, 8 in Godhwar, 1 in Sojat and 1 in Siwana Range, burning 290 acres, out of 2,14,707 acres, over which protection was attempted. The cost of protection amounted to Rs. 1-3-4 per square mile.

(c) *Protection from cattle.*

(12) The whole of the area remained closed to sheep and goats throughout the year and to the horned cattle during the rains. 4,534 cattle were impounded for illicit grazing against 6,382 of the last year. There was a good crop of grass outside the forests, which accounts for the decrease.

(d) *Protection against injuries from natural causes.*

—Nil.—

Section IV.—Sylviculture.

(a) *Natural Reproduction.*

(13) The rains were copious and steady and there was an excellent

germination of all sorts of species. The following table gives results of the areas hitherto coppiced.

Godhwar Range.				Length	Girth.
Nana 1906-07	...	{ Kher ... ..	...	7'-9"	-3"
		{ Dhao ... ..	...	8'-5"	-2"
		{ Bor ... ..	...	10'-0"	-4"
		{ Kbirni ... ..	...	5'-6'	-3"
Nana 1907-08	...	{ Kher .. ..	...	7'-9"	-3"
		{ Dhao ... ..	...	3'-0"	-1½"
		{ Bor ... ..	...	8'-9"	-3½"
		{ Khirni ... ..	...	5'-6"	-4"
		{ Dhao (Anogeissus pendula)	...	22"-0"	-11"
Behra 1896-97	...	{ Kher (Acacia Catechu)	...	20'-0"	-11"
		{ Siris (Albizia Procera)	...	22'-9"	-11"
		{ Gol (Odina wedier)	...	28'-0"	2'-6"
Behra 1907-08	...	{ Kher ... ..	...	5'-9"	-2½"
		{ Dhao .. ..	...	3'-2"	-1½"
		{ Bor ... ..	...	9'-0"	-3½"
Bijapur 1906-07	...	{ Kher ... ..	...	8'-2"	-5½"
		{ Dhao ... ..	...	5'-4"	-3½"
		{ Bor ... ..	...	10'-5"	-7½"
Bijapur 1907-08	...	{ Kher ... ..	...	5'-9"	-3"
		{ Dhao ... ..	...	3'-6"	-2"
		{ Bor ... ..	...	8'-0"	-3½"
Sewari 1907-08	...	{ Kher ... ..	...	4'-0"	-4"
		{ Dhao ... ..	...	2'-9"	-1½"
		{ Bor ... ..	...	9'-0"	-3½"
Latara 1905	...	{ Dhao ... ..	...	5'-0"	-4"
		{ Kher ... ..	...	9'-0"	-4"
		{ Kumatia ... ..	...	10'-0"	-4"
		{ Bor (Zuzephyus zylopyra)	...	10'-0"	-4"
Latara 1907-08	...	{ Kher ... ..	...	6'-2"	-3½"
		{ Dhao ... ..	...	3'-2"	-1½"
		{ Bor ... ..	...	8'-9"	-5½"
Sadri 1896-97	...	{ Kantia Dhao (Anogeissus Pendula)	...	18'-1"	-7"
		{ Kher (Acacia Catechu)	...	18'-6"	1'-0"
		{ Kumatia (Acacia Rupes ^{tes})	...	17'-6"	-7"
Desuri 1905	...	{ Dhao ... ..	...	5'-0"	-3"
		{ Bor ... ..	...	13"-6"	-4"
		{ Adra (Bauhinia Racemosa)	...	20"-0"	-2½"
SOJAT RANGE.					
Gudha Dhamatan 1892	...	{ Dhao ... ..	...	16"-8"	1'-0"
		{ Bor ... ..	...	13'-9"	1'-½"
		{ Kumatia ... ..	...	16'-3"	-9"
Nimbri 1903-04	...	{ Dhao ... ..	...	7'-0"	-2½"
		{ Bor ... ..	...	8'-5"	-9"
		{ Kher ... ..	...	10'-0"	-10"

(b) Artificial reproduction.

(14) There are no Taungya plantations. The blanks in the forests were, as usual, sown broadcast with suitable species. The germination was excellent.

(c) Operations for the improvement of the growing stock.

—Nil.—

(d) Experiments

—Nil.—

Section V.—Exploitation.**(A).—SYSTEM OF MANAGEMENT.****(a) Major Forest Produce.**

(15) The working Plans system was further extended to Sewari and Latara forests, leading necessarily to the modification of the Permit System, which is now limited to the removal of only dry fuel and grass by those who possess the right. The demand of these persons for timber is met by permitting them to take it from the coupe that is next to be felled such timber as they require before coppicing operation is put into it. At present (December 1908) they are removing timber from the coupe that will be felled in 1909.

(b) Minor Forest Produce.

(16) Such minor products as are collected only by way of experiment are gathered in departmentally, while others which find a ready market are leased out to contractors. Grazing was, as usual, allowed by permits.

(B).—AGENCY OF EXPLOITATION.**(a) Departmental Agency.**

(17) Owing to a continued demand for fuel at Ahmedabad, Jodhpur and Ajmer, whose sole purchasers came, as in the last year, to buy it on the spot in Nana, Behra, Bijapur, Sewari, and Latara forests, although in other forests the departmental agency had to be employed. The total quantity of major produce extracted by the departmental agency from the State forests during the year came to 17,294 cubic feet of timber and 5,53,201 cubic feet of fuel as against 14,671 cubic feet of timber and 6,35,127 cubic feet of fuel in the preceding 12 months.

The sale of bamboos and other minor produce decreased as compared with that in the last year.

On the whole the departmental agency brought in a sum of Rs-53,397/9/9 which represents 73·7 per cent of the total income.

(b) Purchasers.

(18) The system under which the purchasers remove the forest produce was explained in the Report for 1905-06. The quantity of timber and fuel exploited by them from the State forests during the year is calculated to be 21,976 cubic feet and 1,70,663 cubic feet respectively as against 2,919 cubic feet of timber and 2,09,552 cubic feet of fuel during the preceding 12 months. The revenue collected from the sale of bamboos and other minor produce came to

Rs. 122/13/0 and Rs. 1,661/10/3 respectively as against Rs. 137/0/9 and Rs. 1,953 realised during the preceding year.

(c) Rights and Privileges.

(19) The rights and privileges in the State forests take the shape mostly of a reduction in the forest fee. 8,840 cubic feet of timber and 1,44,507 cubic feet of fuel as against 11,539 and 1,71,216 cubic feet respectively during the last year, were removed this year. The value of the minor produce removed at reduced rates or free is estimated at Rs. 15 in the case of bamboos and Rs. 4,268 in that of other minor produce as against Rs. 12 and Rs. 3,679 respectively during the preceding year (Form No. 58).

(d) Free grants.

(20) The free grants made to Rightholders have been shown in Form No. 58.

(e) Outturn and sources of forest produce

(21) The total outturn of major produce from State Forests is calculated to be 48,110 cubic feet of timber and 8,68,371 cubic feet of fuel as against 29,129 cubic feet and 10,15,895 respectively during the preceding year. The year was very favourable to agricultural operations and so more timber was extracted; on the other hand, the scarcity of labour, especially of carts, did not allow the full quantity of fuel to be taken away; and hence the increase under "Timber" and fall under "Fuel." The outturn of the minor produce is valued at Rs. 8,555 as against Rs. 16,431 during the preceding 12 months.

(22) The number of cattle admitted into the State Forests for grazing during the year was 12,774.

(23) The total expenditure on the management of the State forests during the year came to Rs. 42,032/5/6.

CHAPTER III.

FINANCIAL RESULTS.

(24) The income and expenditure of the year under review are compared with the figures for the preceding year and the average of the last 5 years in the following table:—

Year.	Receipts	Charges.	Surplus.	Remarks.
1907-08	(1) 72,456	(2) 59,391	13,065	(1) Includes sale proceeds of Anwal
1906-07	89,256	65,415	24,111	(2) Includes Rs. 3,784/11/- spent on storage of grass and Rs. 2/4/- paid in compensation.
Average of 5 years ...	48,646	35,673	12,973	

(25) The revenue of the year under report from major produce amounted to Rs. 57,247/11/9 or 79 per cent of the total income, showing a decrease of Rs. 9,306/5/8 as compared with that derived during the preceding year.

(26) The sales from minor produce including bamboos, grass, grazing etc yielded a revenue of Rs. 12,675/2/9, representing 17·5 per cent of the total income and decrease of Rs. 4,820/2/6 as compared with that derived in the last year. The revenue derived from other sources amounted to Rs. 2,532/10/6 or 3·5 per cent of the total income, showing a decrease of Rs. 2,944/0/6 compared with that derived during the preceding year.

(27) Coming to the consideration of Agency of exploitation, 73·7 per cent of the total revenue was realised through State Agency and 26·3 per cent otherwise.

(28) The total expenditure of the year amounted to Rs. 59,390/11/0, showing a decrease of Rs. 6,023/13/0 as compared with that incurred during the preceding year. Out of this 77·23 was incurred on extension, constitution, improvement, protection and exploitation; while the establishment charges were 22·77 per cent.

CHAPTER IV.

ADMINISTRATION.

(29) Forest Inspector Rakheshwar continued to carry on Fuel works, while Ranger Gokalchand held charge of Godhwar Range.

(30) Forest Ranger Chaturbhuj continued in charge of Sojat Range. He did his work with credit and satisfaction.

(31) Head Clerk Munshi Dasuram, Reader Munshi Roop Narain and other office staff did their work with satisfaction.

(32) The relations with the Revenue Department were quite smooth.

(33) The general conduct of the Foresters, Head Guards, and Guards was good enough.

(34) The supply of Sawars by the Bakhshi Jagir was regular.

CHAPTER V.

GENERAL.

Section A.—General Remarks.

(55) 8,135 maunds of grass were cut and collected this year, bringing the total quantity in hand at the close of the year to 26,439 maunds.

Section B.—Fuel and Fodder Reserves.

(36) No new areas were reserved. The old areas stood distributed as under:—

Name.				Area in Bighas.
Banbholai	...	..	...	1,800
Sampa	...	...	...	544
Sowania	...	...	...	437
Deoli	...	...	...	1,400
Udesi Kua	...	...	...	1,329
Khamal	...	...	...	295
Sadawas	...	...	...	78 $\frac{3}{4}$
Bomadra	...	...	...	464 $\frac{1}{2}$
Miniari	...	...	...	1,303
Bala	...	...	...	1,136
Hemliawas	...	...	...	150
Barsan	...	...	...	100
Guda Bishnoyan	...	...	...	1,000
Pali	...	...	...	6,400
Nawagaon	...	...	...	100
Luni Barmer area	...	...	...	13,280

(37) Sowings of Babul, Khejra and other suitable species were, as usual, made in all the reserves and, as the rains were copious and steady, with excellent results. The old trees and shrubs are doing well.

(38) The revenue and expenditure under this head came to

				Rs.	as.	p.
Revenue	...	...	...	464	7	9
Expenditure	...	...	...	1,723	11	9

Section C.—Arboriculture.

(39) Plantations Nos. 3, 4 and 5 were placed under the charge of the Department. They contained 2,340 plants, all beyond the watering stage.

(40) 1,016 plants were put out, mostly along the roads to fill up the old gaps. They consisted chiefly of Nim, Siris and Jaman species.

(41) The road from Guest House to Maharaj Kumar's Bungalow was planted up for the first time. It absorbed 484 plants, mostly Gular, Nim, and Siris.

(42) The nurseries at Ratanada, Plantation No. 8 and Colonel Loch's well were maintained and further stocked. A new nursery was laid out at Bera Chainsukh with a view to provide planting material for the roads running past

that well. The nurseries had 17,976 plants in them at the close of the year as under :—

Nim ...	...	...	...	11,359
Siris ...	...	...	...	2,087
Jaman	...	...	...	198
Mohwa	...	...	...	300
Am ...	...	...	...	44
Miscellaneous	...	...	...	3,988
				<hr/>
Total ...				17,976

(43) There were in all 25,138 trees in charge of the Department, of which 9,790 received and 15,348 did not receive watering.

(44) The revenue amounted to Rs 411-5-3 and the expenditure to Rs 11,131-1-0 as given in detail below :—

Protective establishment	...	Rs.	262	14	9
Watering	"	...	"	3,294	8 3
Malis	"	...	"	2,349	6 9
Working of Wells	...	...	"	835	10 6
Keep and feed of bullocks	...	...	"	2,532	6 6
Planting	...	...	"	315	4 3
Fencing	...	...	"	1,332	3 6
Miscellaneous	...	...	"	208	10 6
				<hr/>	
Total ...				Rs. 11,131	1 0

Section D.—Gardens.

(45) A small park, about 4 acres in extent, was newly laid out just below the Kailana tank, and 708 trees were planted in it, most of them being shade and fruit trees.

(46) The planting up of the valley, known as Kailana-ri-Gal, was started and 300 plants (Jaman and Mango) were planted. Owing to an excess of water, the plants, however, became waterlogged and more than half the number died away. This work will be renewed next year.

(47) At Takhatsagar, the blanks caused by some trees dying away, were filled up, and 200 plants put out.

(48) In Balsamand garden, over 400 plants, mangoes, jaman and other suitable species, were planted out. They were however washed away by the rains.

(49) The Ratanada Palace garden was further extended. The work of laying out and planting the extended area was in progress as the year closed, and it will be noticed in detail next year.

(50) In Sadri garden, 256 graft mangoe plants were planted; of these 200 were obtained from outside, the rest having been raised locally at Takhatsagar.

(51) The nurseries both at Balsamand and Takhatsagar were much damaged by heavy rains. Arrangements are, however, in progress to bring them up to the original standard.

(52) The revenue and expenditure under this head stood as under:—

Revenue	...	...	Rs.	3,696	15	6
Expenditure	...	...	,,	33,710	5	3

The following forms are appended.

Form No.	...	...	...	46
" "	...	...	...	52
" "	...	...	...	53
" "	...	...	...	57
" "	...	...	...	58
" "	...	...	...	59
" "	...	...	...	61
" "	...	...	...	62
" "	...	...	...	63
" "	...	...	...	65

APPENDICES.

Annual Form No. 46.

Forest Department Marwar State. Area of Forests for 1907-08.

(12)

State	Range.	AREA ON 1ST OCTOBER 1907.		Added	Excluded or transferred to other heads.	AREA ON 1ST OCTOBER 1908.		Number and date of Kafate of addition and trans- fer.	Remarks.
		Acres.	Equivalent in square miles.			Acres.	Equivalent in square miles.		
Khalsn	Godhwar	...	Protected Forests. 1,24,230 194.11	...	...	1,24,230 194.11	...	
	Sojat	...	41,600 65.	...	...	41,600 65.	...	
	Sivana	...	3,840 6.	...	...	3,840 6.	...	
Jagir	Raipur	...	8,320 13.	...	...	8,320 13.	...	
	Ghanerao	...	3,277 5.12	...	...	3,277 5.12	...	
	Bar	...	480 .75	...	...	480 .75	...	
	Barantia	...	960 1.50	...	...	960 1.50	...	
	Babra	...	960 1.50	...	...	960 1.50	...	
	Somel	...	1,920 3.	...	...	1,920 3.	...	
	Pi, Basi, Banwal, Mayapur, Kalya- tra and Badlad	...	7,360 11.50	...	...	7,360 11.50	...	
	Mokalsar, Kamna, Mewri, Gun- grot, Golia, Piploon,, Gadbanal, Sener, Kundal, Sela, Jaipur, Mad- gi, Dhuran Telwara and Bhagwan	...	21,760 34.	...	...	21,760 34.	...	
	Total protected Forests	...	2,14,707 335.48	...	...	2,14,707 335.48	...	
	Jodhpur waste lands	...	Unclassed Forests. 6,400 10.	...	...	6,400 10.	...	
Fuel and Fodder Reserves	...	12,800 20.	...	...	12,800 20.	...		
	Total unclassified Forests	...	19,200 30.	...	...	19,200 30.	...	
	GRAND TOTAL	...	2,33,907 365.48	...	...	2,33,907 365.48	...	

Annual Form No. 52.

Forest Department, Marwar State. Register of Breaches of Forest Rules during 1907-08.

Forest Range and Civil Pargana.	Cases pending from 1906-07.	NEW CASES OF THE YEAR.						Total cases.	DISPOSED OF DURING THE YEAR.						Cases pending on 1st October 1908	RE MARKS.
		Injury of forests by fire.	Unauthorized felling of wood and minor produce.	Grazing without permission or in the tracts in which grazing is prohibited	Other offences.	Total new cases during the year.	CONVICTION		ACQUIT-TALS		TOTAL.					
							Cases.		Persons.	Cases.	Persons.	Cases.	Persons.			
A. Cases tried by Magistrate.— Bali ... Desuri ... Khalra ... { Sojat ... { Siwana ... { Parbatsar ... Jagir ... { Raipur ... { Ghanerao ... Total	5 3	1 1	... 1	6 3	6 3	4 3	4 2½	... ... ... ... ... ...	... ... ... ... ... ...	... ... ... ... ... ...	4 2½ ... 2	2		
	8	2	...	10	10	8	30	...	...	8	30	2		
	30	36	31	105	105	105	169	...	...	...	169	...		
	32	19	7	59	59	59	104	...	...	...	104	...		
	2	1	...	4	4	4	4	...	...	...	4	...		
B. Cases compounded by Forest officials.— Khalra ... { Godhwar ... { Sojat ... { Siwana ... { Parbatsar ... Jagir ... { Raipur ... { Ghanerao ... { Jaitaran ... Total ... GRAND TOTAL	19	1	1	21	21	21	21	...	...	...	21	...		
		
		
		
		

Annual Form No. 53.

Forest Department, Marwar State. Area of Forest tracts protected from fire during the year 1907-08.

Range.	Forest tracts.	Year in which protection commenced.	Area actually protected during the last dry season.	Area attempted to be protected.	Failures.	Actually protected during the year.	Cost.	REMARKS.
<div> <div>Khalsa</div> <div> <div>Godhwar</div> <div>Sajat</div> <div>Sivana</div> </div> </div>	Godhwar	1891	1,21,308	1,24,230	210	1,21,021	257 10 6	
	Sajat	1891	41,800	41,600	80	41,520	141 7 6	
	Sivana	1898	3,840	3,810	.....	3,810	.....
<div> <div>Jagir</div> <div> <div>Makalsar, Ramnari, Mewri Gungrot</div> <div>Gudhawal, Sener, Golia, Piploon,</div> <div>Kundal Sela, Mangi, Janpur,</div> <div>Dhiran, Telwara and Bhagwan</div> </div> </div>		1898	21,760	21,760	.....	21,760	.....
		1897	7,360	7,360	.....	7,360	.....
		.....	1,95,168	1,98,790	290	1,98,501	399 2 0	
	Total Raj Department							
<div> <div>Jagir</div> <div> <div>Raipur</div> <div>Ghanerao</div> <div>Jaitaran</div> </div> </div>	Raipur	1894	8,320	8,320	.....	8,270	.....
	Ghanerao	1895	3,277	3,277	.....	3,277	6 2 0	
	Jaitaran	1896	4,320	4,320	.....	4,320	.....
		.....	15,917	15,917	.....	15,867	6 2 0	
	Total Jagir							
	GRAND TOTAL	.....	2,14,383	2,14,707	290	2,14,363	407 1 0	

Annual Form No. 57.

Forest Department Marwar State. Outturn (in cubic feet) of Timber and Fuel for the year 1907-08 and agency of exploitation.

Range	TIMBER IN ROUGH LOGS.					TIMBER IN ROUGH POLES.					SAWYER OR SQUARED TIMBER.				MISCELLANEOUS.				FUEL.					Total.		
	Raj Agency.	Purchasers.	Free grants.	Right holders.	Total.	Raj Agency.	Purchasers.	Free grants.	Right holders.	Total.	Raj Agency.	Purchasers.	Free grants.	Right holders.	Total.	Raj Agency.	Purchasers.	Free grants.	Right holders.	Total.	Raj Agency.	Purchasers.	Free grants.		Right holders.	Total.
State Department. { Godhwar Sajat Siwana Farbatsar Pali	40	175	...	1,129	1,341	5,018	19,545	...	3,733	28,926	...	...	...	...	...	376	22	...	396	...	...	3,51,420	1,45,440	...	1,36,965	6,33,825
	...	...	...	...	...	11,230	2,229	...	3,806	17,265	...	...	...	...	...	...	...	...	...	...	...	1,95,793	12,798	...	5,412	2,14,033
	...	...	...	...	...	...	5	...	172	177	...	...	...	...	...	...	...	...	...	...	...	5,988	9,690	...	2,100	17,778
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,735	...	...	2,735

Jagir. { Raipur Ghanerao	40	175	...	1,129	1,341	10,878	21,779	...	7,711	16,308	376	22	...	...	...	398	...	...	...	...	...	5,53,201	1,70,663	...	1,41,507	8,68,371
	...	...	...	...	...	264	270	...	2,088	2,622	...	...	...	...	...	...	...	...	...	...	...	25,765	31,241	...	9,000	66,006
	...	...	...	...	...	...	236	...	1,698	1,934	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17,235	17,235
Total	...	...	...	...	...	264	506	...	3,786	4,556	...	...	...	...	...	...	...	...	...	...	...	25,765	31,241	...	26,235	83,241
	40	175	...	1,129	1,341	17,142	22,285	...	11,497	50,924	376	22	...	...	...	398	...	...	...	...	...	5,78,966	2,01,901	...	1,70,742	9,51,612
GRAND TOTAL	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10,04,278

Annual Form No. 58.

Forest Department Marwar State Outturn of minor produce during the year 1907-08

Range.	Description.	RAJ AGENCY		PUR- CHASERS.		FREE GRANIS.		RIGHT HOLDERS.						TOTAL.		BPMANBS.
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	AT REDUCED RATE.		FARM.		TOTAL.				
								Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
Godhwar	Bamboos	1,614	36	3,824	102	.....	.....	1,353	15	.....	.....	1,353	15	6,791	153	.....
	do. Kamri	375	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	375	8	.....
	Grass (Munds)	1,132	751	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4,132	701	.....
	" (Cart loads)	.....	.....	512	136	.....	.....	.....	.....	.....	.....	.....	.....	512	136	.....
	" (Head loads)	.....	.....	932	17	.....	.....	1,062	5	.....	.....	1,062	5	1,994	22	.....
	Grazing cattle (No.)	.....	.....	1,356	506	.....	.....	1,738	1,450	1,662	832	6,190	2,482	7,558	2,958	.....
	Honey wax and hide contract.	.....	.....	.....	101	.....	.....	.....	.....	.....	.....	.....	.....	.....	101	.....
	Kamris (Head loads)	.....	.....	1,350	103	.....	.....	.....	.....	.....	.....	.....	.....	1,355	104	.....
	Mohya grass (Head loads)	.....	.....	1,981	123	.....	.....	1,869	63	.....	.....	1,869	63	3,850	196	.....
	Palm (Cart loads)	.....	.....	82	41	.....	.....	.....	.....	.....	.....	.....	.....	82	41	.....
	" (Head loads)	.....	.....	53	3	.....	.....	.....	.....	.....	.....	.....	.....	53	3	.....
	Dirk leaves (Head loads)	.....	.....	126	4	.....	.....	.....	.....	.....	.....	.....	.....	126	4	.....
	Thorns (Cart loads)	.....	.....	37	5	.....	.....	.....	.....	.....	.....	.....	.....	37	5	.....
	Stone (Units)	.....	.....	102	13	.....	.....	.....	.....	.....	.....	.....	.....	102	13	.....
Sijot	Miscellaneous	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Bamboos	2,525	101	795	19	.....	.....	.....	.....	.....	.....	.....	.....	7,320	120	.....
	Grass (Head loads)	.....	.....	1,196	17	.....	.....	270	1	8,191	133	4,761	131	9,957	151	.....
	" (Units)	.....	.....	52	13	.....	.....	.....	.....	.....	.....	.....	.....	52	13	.....
	" (Munds)	2,894	150	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,894	150	.....
	Grazing cattle (No.)	174	81	2,909	1,028
Sijot	Kamris (No.)	174	2	100	1	2,425	917	2,525	3

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Kamris (Head loads)	...	4	1	1,601	135	28	1	3,518	110	3,516	111	5,214	247
Pala (Head loads)	815	51	815	51
" (Carts)	...	...	...	23	12	...	...	...	...	...	...	...	...	...	23	12
Dhak leaves (Head loads)	...	...	...	691	21	...	...	...	...	...	...	...	...	...	694	21
Honey and wax contract	...	...	...	...	15	...	...	...	...	...	...	...	...	...	...	15
Hide (No.)	...	14	60	...	...	...	...	...	...	...	...	...	...	...	...	60
Thorns (arts)	...	...	...	1	1	...	...	...	...	...	...	...	...	...	1	1
Marble stones	...	32	2	...	12	...	...	...	...	...	...	...	...	...	32	2
Era leaves (contract)	...	7	49	...	...	...	...	...	...	...	...	...	...	...	...	12
Gum resin (Mds.)	...	18	9	...	...	...	...	...	...	...	...	...	...	...	18	9
Satavar roots	...	5	2	...	...	...	...	...	...	...	...	...	...	...	5	2
Era leaves (Head loads)	...	626	9	...	...	...	...	...	...	...	...	...	...	...	626	9
Gangan kana	...	19	37	...	...	...	...	...	...	...	...	...	...	...	19	37
Gunda fruits (Mds.)	...	11	17	...	...	...	...	...	...	...	...	...	...	...	11	17
Dhao flowers (")	...	4	6	...	...	...	...	...	...	...	...	...	...	...	4	6
Babchi seeds (")	...	12	1	...	...	...	...	...	...	...	...	...	...	...	12	1
Negarr (seers)	...	45	20	...	...	...	...	...	...	...	...	...	...	...	45	20
Anwal bark (Mds)	...	8	1	...	...	...	...	...	...	...	...	...	...	...	8	1
Bahera fruit (seers)	...	33	18	...	...	...	...	...	...	...	...	...	...	...	33	18
Lali (Mds)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gol and Farangan	...	3	1	...	...	...	...	...	...	...	...	...	...	...	3	1
Kamri	...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	1
(Head loads)	...	201	603	...	...	...	...	...	...	...	...	...	...	...	201	603
Anwala fruits (Mds.)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Asbestos (Mds)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Grass (Maunds)	...	1,210	323	...	...	...	...	...	...	...	...	...	...	...	1,210	323
Bamboos	...	...	...	60	1	...	...	...	...	...	...	...	...	...	70	1
Grass (Head loads)	...	...	...	1,546	21	...	...	...	...	...	...	...	...	...	12,300	178
" (Carts)	...	...	...	7	2	...	...	...	...	...	...	...	...	...	124	31
Grazing cattle	...	...	...	32	16	...	...	...	...	...	...	...	...	...	1,094	216
Jungle grass (Head loads)	...	...	...	78	4	...	...	...	...	...	...	...	...	...	78	4
Bor fruits (Head loads)	...	...	...	672	21	...	...	...	...	...	...	...	...	...	675	21
" thorns (No.)	...	...	...	12	2	...	...	...	...	...	...	...	...	...	12	2
Pala (Carts)	...	...	...	5	2	...	...	...	...	...	...	...	...	...	44	22
Pala (Head loads)	...	...	...	16	1	...	...	...	...	...	...	...	...	...	20	2
Pila fruits	...	...	...	181	5	...	...	...	...	...	...	...	...	...	181	5
Kamris (Head loads)	...	...	...	114	12	...	...	...	...	...	...	...	...	...	114	12
Hides	...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	1

Sojat

Siwana

Annual Form No. 53.—Continued.

Forest Department, Marwar State. Outturn of minor produce during the year 1907-08.

Range.	Description.	RAJ AGENCY		PUR-CHASERS.		FREE GRANTS.		RIGHT HOLDERS.						TOTAL.		REMARKS.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	At reduced rate.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.			
Parbatsar.	Dhak leaves (Head loads)	....	..	133	5	....	..	....	..	....	..	....	..	153	5	
	Grass (Head loads)	....	..	375	18	....	..	....	..	....	..	....	..	575	18	
	Dahan Kamri (Head loads)	....	..	10	1	....	..	....	..	....	..	....	..	10	1	
	Stone (Cart loads)	....	..	83	3	....	..	....	..	....	..	....	..	83	3	
	Dahan fruits (Head loads)	....	..	32	1	....	..	....	..	....	..	....	..	32	1	
	Khejra &c leaves	....	..	....	..	....	..	....	..	....	..	....	..	....	..
	lumpsum	....	..	....	55	....	..	....	..	....	..	....	..	....	55	
	Babul leaves	....	..	....	5	....	..	....	..	....	..	....	..	....	5	
	Grazing cattle	1,125	90	1,125	90	1,125	90	
	Hides	....	5	....	..	....	..	....	..	....	..	....	..	....	5	
	Munj (Pala)	60	1	....	..	....	..	....	..	....	..	....	..	60	1	
	Total Raj Department	13,519	2,666	19,349	1,716	....	..	15,009	2,722	21,928	1,561	38,937	4,283	72,135	8,555	
Raipur	Pala Bor (Head loads)	....	..	59	3	....	..	....	..	....	..	....	..	59	3	
	Dhak leaves (do. )	....	..	31	1	....	..	....	..	....	..	....	..	31	1	
	Grazing cattle (No.)	....	..	472	187	....	..	9,512	1,110	....	..	9,512	1,110	10,011	1,597	
	Grass (Cart's)	....	..	8	2	....	..	....	..	....	..	....	..	8	2	
	do. (Head loads)	....	..	206	6	....	..	....	..	2,000	63	....	..	2,206	69	
	do. (Mounds)	209	27	....	..	....	..	....	..	....	..	....	..	209	27	
	Kamris (Head loads)	....	..	1,089	51	....	..	....	..	....	..	....	..	1,112	81	

Ghanerao.	Bambocs (No.) ...	...	.....	...	17	...	1,080	23	...	...	1,080	23	1,097	23
	Grass (Head loads)	...	.....	...	.....	...	.....	...	5,191	81	5,191	81	5,191	81
	" (Carts) ...	...	.....	...	45	11	805	10	...	...	305	10	577	78
	Koli Kanda (Head loads)	...	.....	...	.....	...	85	2	...	...	85	2	85	2
	Bor thorns do.	...	.....	...	.....	...	.....	...	41	5	41	5	41	5
	Mohoya grass do.	...	.....	...	.....	...	14	1	...	...	14	1	14	1
	Grazing cattle (No.)	...	.....	...	.....	...	243	30	29	11	272	41	272	41
	Pala (Cart loads)	...	.....	...	.....	...	4	1	2	...	6	1	6	1
	Junjli grass (Head loads) ...	...	.....	...	.....	...	.....	...	3	...	3	...	3	...
	Miscellaneous (do. ) ...	...	.....	...	.....	...	.....	...	4	...	4	...	4	...
Total Jagir ...		209	27	2,086	307	62	11	11,273	1,477	7,593	190	18,866	1,867	21,223	2,012
GRAND TOTAL ...		14,058	2,583	21,435	2,023	62	11	26,282	4,190	31,521	1,751	67,803	5,950	93,358	10,567

Annual Form No. 59.

Forest Department, Marwar State. Account of Timber and other produce cut or collected by Ray Agency and brought into depots, sold locally or otherwise disposed of during 1907-08.

Description.	BALANCE AT COMMENCEMENT OF THE YEAR.		RECEIVED DURING THE YEAR.		TOTAL.		DISPOSED OF		BALANCE AT CLOSE OF THE YEAR.		REMARKS.
	No or quantity.	Cubic feet.	No. or quantity.	Cubic feet.	No. or quantity.	Cubic feet.	No. or quantity.	Cubic feet.	No. or quantity.	Cubic feet.	
Timber.	{ Godhwar ...	5,104½	25,117	229-3	32,231½	251-8	27,208	.....	3,033½	.....
	{ Sojat ...	13,229	68,008	.....	81,232	.....	59,734	209-3	21,498	45-5	
	{ Siwana ...	68	.....	.....	68	.....	.....	.....	68	.....
	{ Pali ...	2,758	1,008	.....	3,766	.....	3,304	.....	462	.....
	{ Merta ...	189	.....	.....	189	.....	189	.....	.....	.....
	{ Jodhpur ...	2,355	498	.....	2,853	.....	2,042	.....	811	.....
	{ Balotra ...	.....	1,765	.....	1,765	.....	347	.....	1,418	.....
	Total ...	23,703½	96,421	229-3	1,29,121½	251-8	92,821	209-3	27,300½	45-5	
Firewood.	{ Godhwar ...	Mds Srs 6,131 30	Mds. Srs 75,272 0	.....	Mds. Srs 81,403 30	.....	Mds. Srs 73,510 0	.....	Mds. Srs 7,893 30	.....
	{ Sojat ...	20,417 25	32,647 21	.....	53,065 6	.....	44,901 11	.....	8,100 35	.....
	{ Siwana ...	894 20	1,631 0	.....	2,525 20	.....	881 30	.....	1,543 30	.....
	{ Pali ...	7 9	.....	.....	7 9	.....	7 9	.....	.....	.....
	{ Jodhpur ...	616 20	43,469 0	.....	44,085 20	.....	43,985 20	.....	1,100 0	.....
	Total ...	28,097 21	1,52,919 21	.....	1,81,017 5	.....	1,62,375 30	.....	18,638 15	.....

	Charcoal.						Bamboos.						Miscellaneous.					
	Mds.	Srs.	Mds.	Srs.	Mds.	Srs.	Mds.	Srs.	Mds.	Srs.	Mds.	Srs.	Mds.	Srs.	Mds.	Srs.	Mds.	Srs.
Godhwar ...	5 6½	.....	.....	.....	2,493 38½	5	.....	.....	2,499 5	.....	2,393 7	105 38	.....	.....	.....	.....	.....	.....
Sojat ...	149 22	.....	.....	.....	3,450 0	22	.....	.....	3,599 22	.....	3,019 39	549 23	.....	.....	.....	.....	.....	.....
Siwana ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pali ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jodhpur ...	149 11½	.....	.....	.....	2,332 30½	11½	.....	.....	2,482 11½	.....	2,165 24½	316 17½	.....	.....	.....	.....	.....	.....
Total ...	303 39½	.....	.....	.....	8,276 29	.....	.....	.....	8,580 28½	.....	7,608 30½	971 38½	.....	.....	.....	.....	.....	.....
Godhwar ...	41,227	.....	.....	.....	1,980	.....	.....	.....	43,216	.....	35,831	7,385	.....	.....	.....	.....	.....	.....
Sojat ...	24,724	.....	.....	.....	1,525	.....	.....	.....	26,249	.....	8,186	18,063	.....	.....	.....	.....	.....	.....
Siwana ...	7	.....	.....	.....	.....	.....	.....	.....	7	.....	.....	7	.....	.....	.....	.....	.....	.....
Pali ...	10,215	.....	.....	.....	40	.....	.....	.....	10,255	.....	1,645	8,610	.....	.....	.....	.....	.....	.....
Jodhpur ...	908	.....	.....	.....	1,000	.....	.....	.....	1,903	.....	1,886	17	.....	.....	.....	.....	.....	.....
Merta ...	1,367	.....	.....	.....	.....	.....	.....	.....	1,367	.....	1,367	.....	.....	.....	.....	.....	.....	.....
Total ...	78,443	.....	.....	.....	4,554	.....	.....	.....	82,997	.....	48,915	34,082	.....	.....	.....	.....	.....	.....
Godhwar ...	Rs. 2,504	.....	.....	.....	764	.....	.....	.....	3,268	.....	21	3,247	.....	.....	.....	.....	.....	.....
Sojat ...	1,303	.....	.....	.....	1,817	.....	.....	.....	2,680	.....	629	2,051	.....	.....	.....	.....	.....	.....
Siwana ...	243	.....	.....	.....	324	.....	.....	.....	567	.....	25	542	.....	.....	.....	.....	.....	.....
Parbatsar ...	.....	.....	.....	.....	6	.....	.....	.....	6	.....	.....	6	.....	.....	.....	.....	.....	.....
Pali ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total ...	4,110	.....	.....	.....	2,411	.....	.....	.....	6,521	.....	675	5,846	.....	.....	.....	.....	.....	.....

Annual Form No. 61.

Forest Department Marwar State. Summary of Revenue of Marwar Forests during the year 1907-08.

Budget Head.	Direction	Godhwar.	Sopt.	Siwana	Parbatsar.	Pali.	Total.	Remarks.
I. Timber and other Forest produce removed from the forest by Ray Agency.—								
(a) Timber ...	970 4 3	2,637 8 9	3,669 3 9	54 6 9	...	285 5 9	7,816 13 3	
(b) Firewood and Charcoal ...	11,522 12 9	13,008 12 3	16,817 6 .	1,493 2 ..	...	...	12,862 1 ...	
(c) Bamboos ...	888 3 ..	1,223 8 .	323 15 ..	...	...	65 6 ..	2,601 ..	
(d) Grass and other minor produce ...	16 9 ...	21 2 6	356 10 6	23 5 6	...	...	417 11 6	
II. Timber and other produce removed from the forest by purchasers or consumers.—								
(a) Timber ...	.....	3,709 14 8	1,676 6 .	9 14 ..	...	...	5,396 10 9	
(b) Firewood and charcoal ...	.....	1,090 7 3	151 2 9	34 12 ..	90 14 .	...	1,372 2 9	
(c) Bamboos ...	.....	116 11 3	19 12 ..	1 5 9	...	...	137 13 ..	
(d) Grazing and Fodder grass ...	.....	2,311 12 9	902 15 .	250 ...	107 8 .	1 ..	2,576 4 9	
(e) Other minor produce ...	5,250 ...	429 1 3	218 .. 3	45 15 6	69 4 6	...	6,012 5 6	Includes sales of Anwal.
III. Confiscated, Drift and waifwood								
IV. Revenue from Forests not managed by Ray—								
(a) Duty on foreign timber and other forest produce ...	.....	863 4 6	218 15 3	...	...	...	1,112 3 9	
(b) Revenue from shared and private forests ...	.....	.....	115 1 6	...	...	...	115 1 6	
V. Miscellaneous —								
(a) Fines and forfeitures ...	.....	.....	...	...	...	...	.....	8 0
(b) Refunds ...	.....	.....	...	...	...	...	.....	...
(c) Other sources ...	35 3 6	520 8 9	385 15 0	222 2 6	115 9 6	...	1,295 5 3	
Total Forest Conservancy ...	18,603 ...	25,911 11 6	21,915 15 6	2,125 ...	381 1 9	303 8 .	72,155 9 ..	

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Annual Form No. 61. —Continued.

Forest Department, Marwar State. Summary of Expenditure of different ranges in Marwar Forests during the year 1907-08.

Budget Heads		Direction	Godhwar	Sojat	Siwana	Purbahar.	Pali	Total.	Remarks
A —Conservancy and works —									
I —Timber and other produce removed from the forests by Ray Agency —									
(a) Timber	...	926 15 3	1,733 0 9	1,572 7 3	23 7 9	...	113 11 3	4,371 10 3	
(b) Firewood and Charcoal	...	7,921 2 9	16,091 11 9	8,999 9 9	1,094 10 9	...	3 2 0	34,110 5 0	
(c) Bamboos	...	58 4 0	251 5 0	149 12 6	...	...	2 4 0	461 9 6	
(d) Grass and other minor produce	...	5 15 0	77 7 9	211 10 0	...	...	1 10 0	297 4 9	
II —Timber and other produce removed from the forests by purchasers or consumers —									
III —Confiscated Drift and waste wood —									
IV —Revenue from forests not managed by Ray —									
(a) Duty on foreign timber and other forest produce	...	...	...	...	...	...	...	...
(b) Revenue from shared and private forests	...	...	...	...	...	...	...	...
V —Revenue from leased forests and payments to share holders in forests managed by Ray —									
VI —Live Stocks, stores, Tools and plants —									
(a) Purchase of cattle	...	...	...	...	...	...	...	...
(b) Feed and keep of cattle	...	...	...	...	...	...	...	...
(c) Purchase of stores, tools and plants	...	179 8 6	3 12 6	162 15 3	1 0	1 8 0	...	348 0 3	
VII —Communications and Buildings —									
(a) Roads and Bridges	...	...	112 0 0	117 7 9	...	...	...	229 7 9	
(b) Buildings	...	...	44 15 0	188 9 3	7 14 3	17 10 6	...	239 1 0	
(c) Other works	...	...	...	...	...	...	...	...
VIII —Denaturation improvement and extension of Forests —									
(a) Demarcation	...	...	...	42 3 9	6 0	2 9 0	...	15 8 9	
(b) Compensation of lands	...	...	...	...	...	...	...	...
(c) Surveying and working plans	...	...	767 0 9	...	1 1 3	...	...	768 2 0	
(d) Sowing and planting	...	120 0 0	19 0 9	119 11 3	3 3 0	0 5 0	...	262 4 0	
(e) Protection from fire	...	...	237 10 6	141 7 6	...	...	...	399 2 0	
(f) Other works	...	...	...	...	...	...	...	...
IX —Miscellaneous —									
(a) Refunds	...	...	...	...	...	...	...	...
(b) Law charges	...	...	...	...	...	...	...	...
(c) Other works	...	136 13 9	57 13 0	118 6 0	201 7 9	10 6 0	...	524 11 6	
Total A —Conservancy		9,348 11 3	19,415 13 0	11,824 10 3	1,331 6 9	38 9 0	120 11 3	42,077 11 3	

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Annual Form No. 62.

Forest Department Marwar State. Account current for the year 1907-08.

	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.
Cash balance (Imprest)	8,000	0 0	Remittances to Treasuries —	...	...	...
Increase in Imprest	3,000	0 0	Forest revenue in cash and by adjustment...	72,455	9 1	...
Revenue as per annual summary Form No. 61			Arbiculture	411	5 3	...
Forest Conservancy	Gardens	3,696	15 6	...
Arbiculture	411	5 3	Fuel and Fodder Reserves	464	7 9	77,028 5 6
Gardens	3,696	15 6	Expenditure as per Form No. 61. Forest conservancy	59,390	11 0	...
Fuel and Fodder Reserves	464	7 9	Arbiculture	11,131	1 0	...
Advances by recoupement of Imprest or fresh advance for grass storage	Gardens	33,710	5 3	...
	1,07,664	11 6	Fuel and Fodder Reserves	1,723	11 9	1,05,955 12 0
			Inter departmental transfer.			
			Miscellaneous (including Dharmada, &c.)	498	9 6	493 9 6
			Balance returned to treasury	...	...	215 3 0
			Balance	...	...	12,000 0 0
						
Total	1,95,693	1 0	Total	...	...	1,95,693 1 0

Fuel and Fodder Reserves charged to gra's storage in treasury.

Includes Rs. 2,000 for grass cutting.

Annual Form No. 63.*Forest Department, Marwar State. Revenue and outstanding on account of Revenue during 1907-08.*

Range.	Particulars.	Balance at commencement of the year.	Value of sales.	Total.	Realised during the year.	Balance.	Remarks.
Godhwar ...	Forest Conservancy ...	114 1 0	25,871 6 6	25,985 7 6	25,944 11 6	40 12 0	
Sojat ...	" ...	98 14 6	24,983 11 6	25,082 10 0	24,945 15 6	136 10 6	
Siwana ...	" ...	.....	2,125 0 6	2,125 0 6	2,125 0 6	.....
Parbatsar ...	" ...	2 8 0	384 4 9	386 12 9	383 4 9	3 8 0	
Pali ...	" ...	203 6 0	479 13 9	683 3 9	363 8 3	319 11 6	
Jodhpur and Direction ...	" ...	2,584 11 6	19,688 2 0	22,272 13 6	19,568 13 6	2,704 0 0	
	Total ..	3,003 9 0	73,532 7 0	76,536 0 0	73,331 6 0	3,204 10 0	

Annual Form No. 65.
Forest Department, Marwar State. Financial Results of the year 1907-08.

Range.	TIMBER AND OTHER PRODUCE REMOVED FROM THE FOREST BY RAJ AGENCY.		OTHER REVENUE.		Formation and protection and improvement of Forest.	TOTAL.		REMARKS.
	Receipts.	Charges.	Receipts.	Charges.		Receipts.	Charges.	
Godhwar	16,891	18,154	9,054	...	4,551	25,945	22,705	
Sojat	21,197	10,933	3,749	...	3,682	24,946	13,615	
Siwana	1,561	1,120	564	...	1,157	2,125	2,277	
Parbatsar	...	1	383	...	669	383	670	
Pali	351	121	12	...	.....	364	121	
Jodhpur and Direction	13,398	12,699	5,295	...	6,303	18,693	19,002	
Total	53,398	43,028	19,058	...	16,362	72,456	59,390	
Raipur	1,233	...	2,612	...	1,181	3,845	1,181	
Ghanerao	...	...	567	...	190	567	190	
Bar	...	...	175	...	36	175	36	
Barantia	...	...	115	...	86	115	86	
Babra	...	...	89	...	76	89	76	
Somel	...	...	221	...	90	221	90	
Total	1,233	...	3,779	...	1,659	5,012	1,659	
GRAND TOTAL	54,631	43,028	22,837	...	18,021	77,468	61,019	



